176

ERIE CITY IRON WORKS

BOILERS

ENGINES

FEED-WATER HEATERS

ERIE CITY IRON WORKS

(BUSINESS ESTABLISHED IN 1840)

MANUFACTURERS OF

HIGH-GRADE STEAM BOILERS AND ENGINES AND FEED-WATER HEATERS

MAIN OFFICE AND WORKS

ERIE, PENNSYLVANIA, U. S. A.

CABLE ADDRESS: **SELDEN, ERIE.**

GENERAL CATALOGUE, 1906

SUPERSEDING ALL PREVIOUS EDITIONS

NOTE.—All goods specified in our publications are subject to such modifications or changes as we may deem necessary. All contracts are subject to the approval of the Home Office at Erie, Pa.

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General Observations Upon Our Line of Boilers

OUR lists present, for the consideration of those who purchase boilers, the various sizes of

Water Tube,
Horizontal Tubular,
"Economic" Return Tubular,
Water-bottom Portable,
Open-bottom Portable, and
Vertical Tubular Boilers.

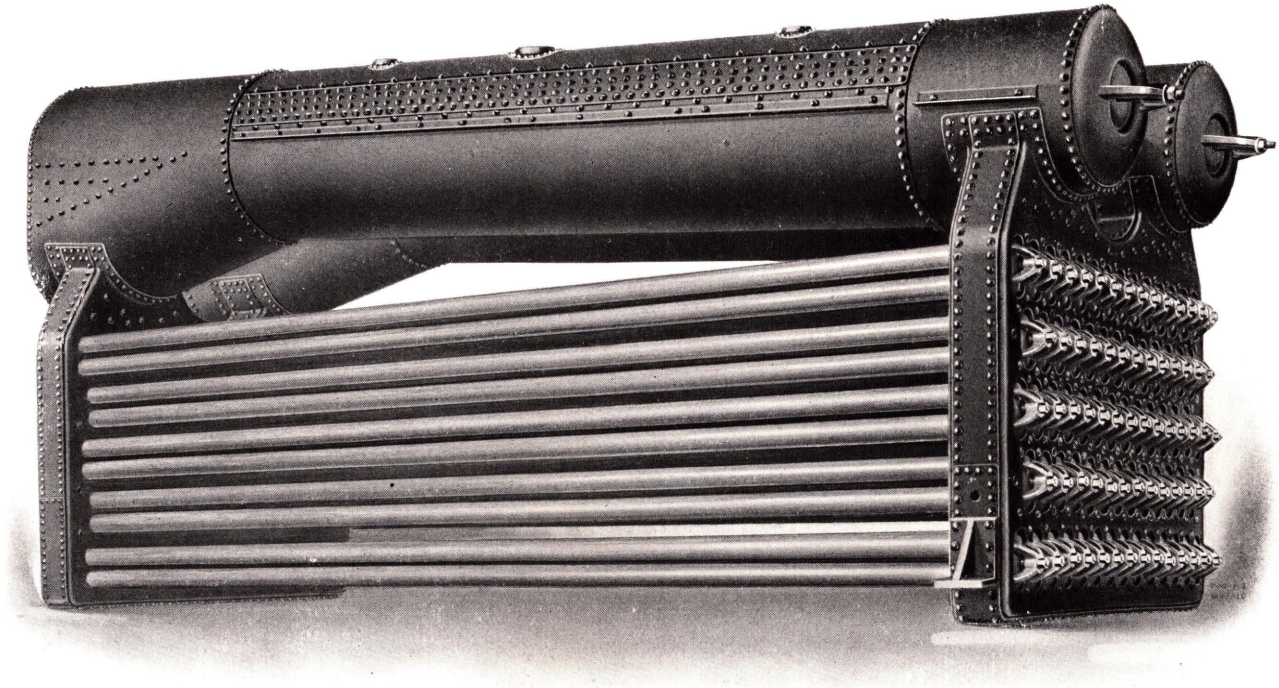
Of the fitness of any of these types to the special work in view, the buyer must necessarily exercise his own judgment. They are all good boilers, and all of them more or less familiar to steam users everywhere.

Our boilers are figured to give their full horse-power with easy firing, moderate draft, and fuel of average quality. The lists for the above boilers have, in the course of the years, undergone many additions and modifications. In their present state, each represents the best proportions and sizes which long experience has shown us to be most widely adapted to the general demand. In this light, we urge upon the purchaser the consideration of the fact that, unless the conditions under which the boiler is to be used are extraordinary, a selection from our list will undoubtedly be more suitable than would be some special size or design.

OUR boilers are all made of open-hearth homogeneous steel plate of 60,000 pounds tensile strength, the plates are rolled to full thickness *on the edge*, insuring a generous factor of safety. Special attention is given to the size and spacing of the rivets, the diameter of the boiler, and the thickness of the plate being duly considered, so as to secure the strongest practicable joint, and, where accessible, the rivets are driven by hydraulic or steam machinery with continuous pressure. The braces and stays are also in each case carefully calculated for the pressure which they have to bear—proper size and a sufficient number being used.

At this writing—July, 1906—our inspection numbers are running in the forty-nine thousand series, and this vast number does not fully represent our entire output of boilers. The excellence of our work has been proven.

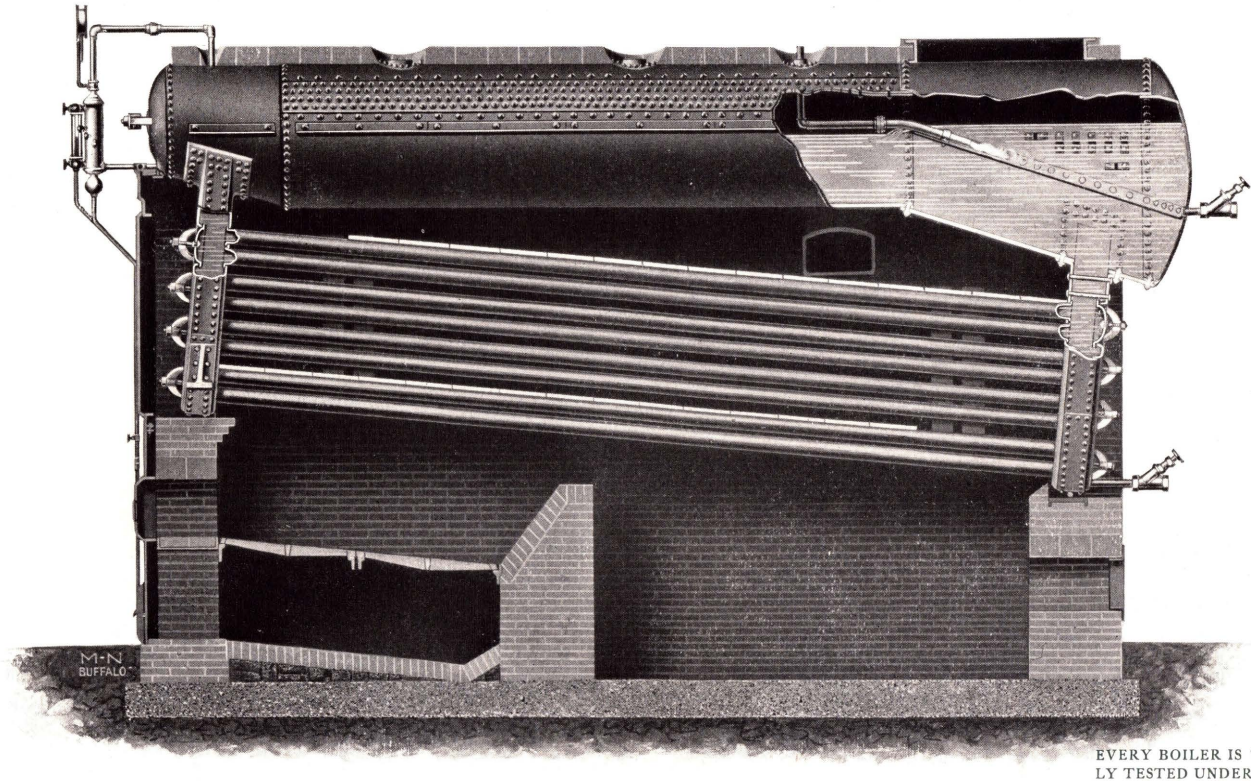
In a boiler-shop equipped with improved machinery, operated by hydraulic, steam, pneumatic, and electric power, the work must of necessity be done more cheaply than where mismatched holes, slack fits and general debility have to be covered up by abuse of drift-pins and nursing by hand-work. Rigid specifications do not make tight boilers. Careful workmanship and perfect organization of shop details only can assure the best results, and the boilers we build show the benefits of such discipline.



EVERY BOILER IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Erie City Water-Tube Boilers, For High Pressure Service

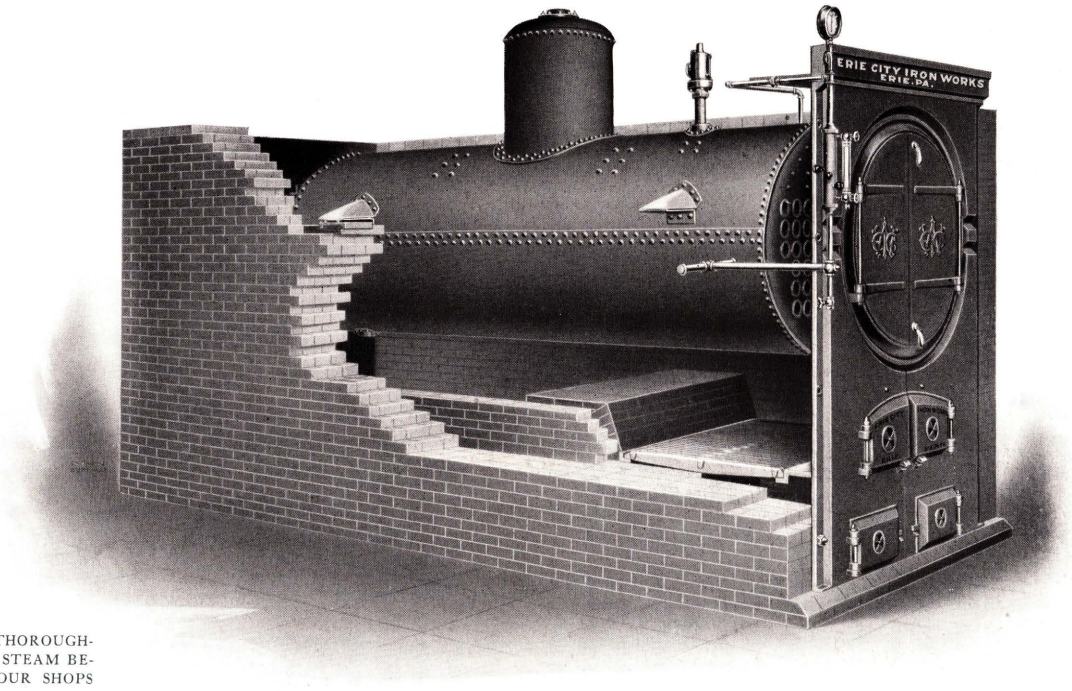
Illustrated catalogue and specifications will be furnished upon request.



EVERY BOILER IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Erie City Water-Tube Boiler—Sectional View

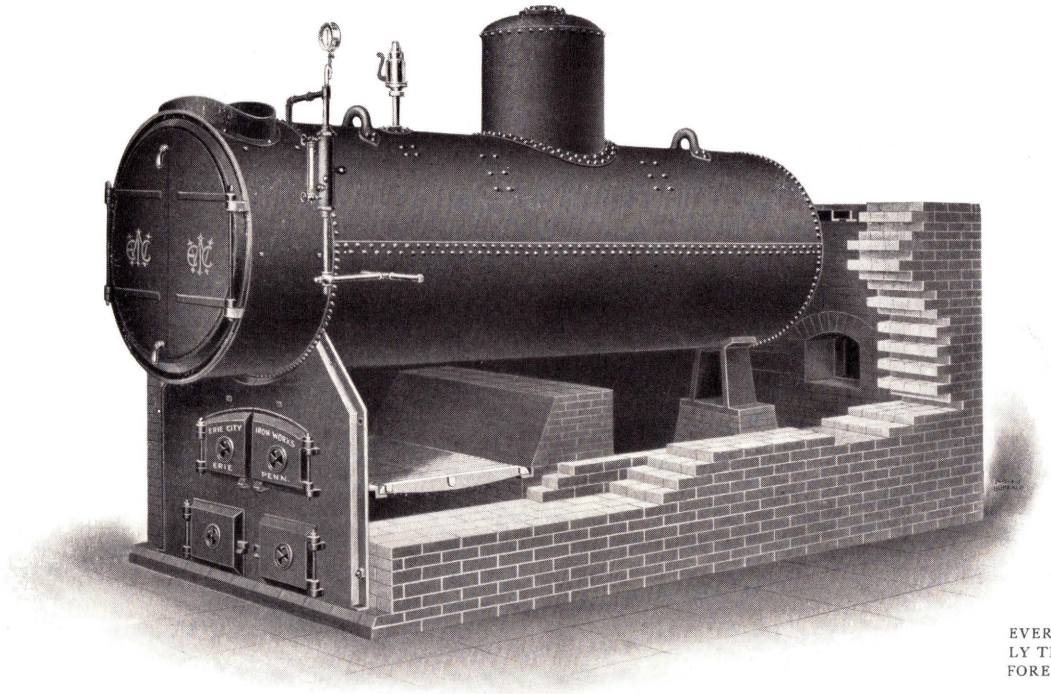
In standard units of 100 Horse Power and upwards.



EVERY BOILER IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Stationary Boilers with Full-Front

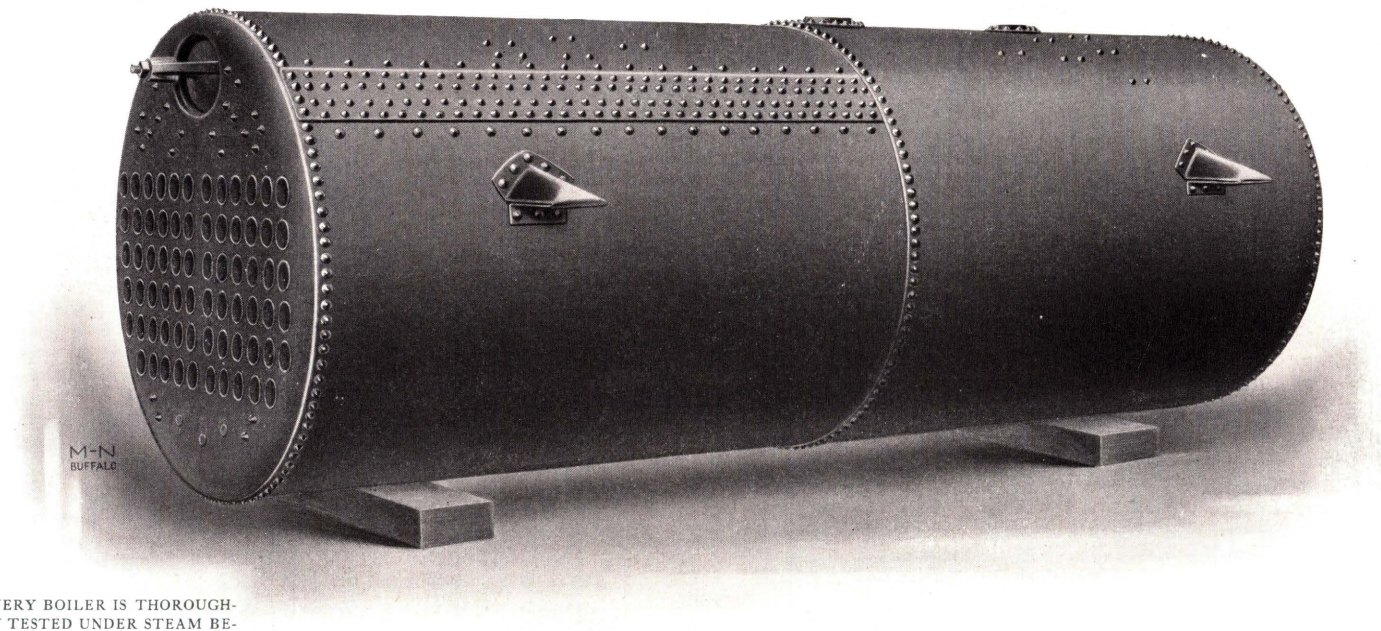
Boilers from 10 to 165 Horse Power have a single plate in bottom of Shell. Larger units have two or more plates in bottom. Full specifications will be furnished upon request.



EVERY BOILER IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Stationary Boiler with Half-Front

Boilers from 10 to 165 Horse Power have a single plate in bottom of shell. Larger units have two or three plates in bottom. Full specifications will be furnished upon request.

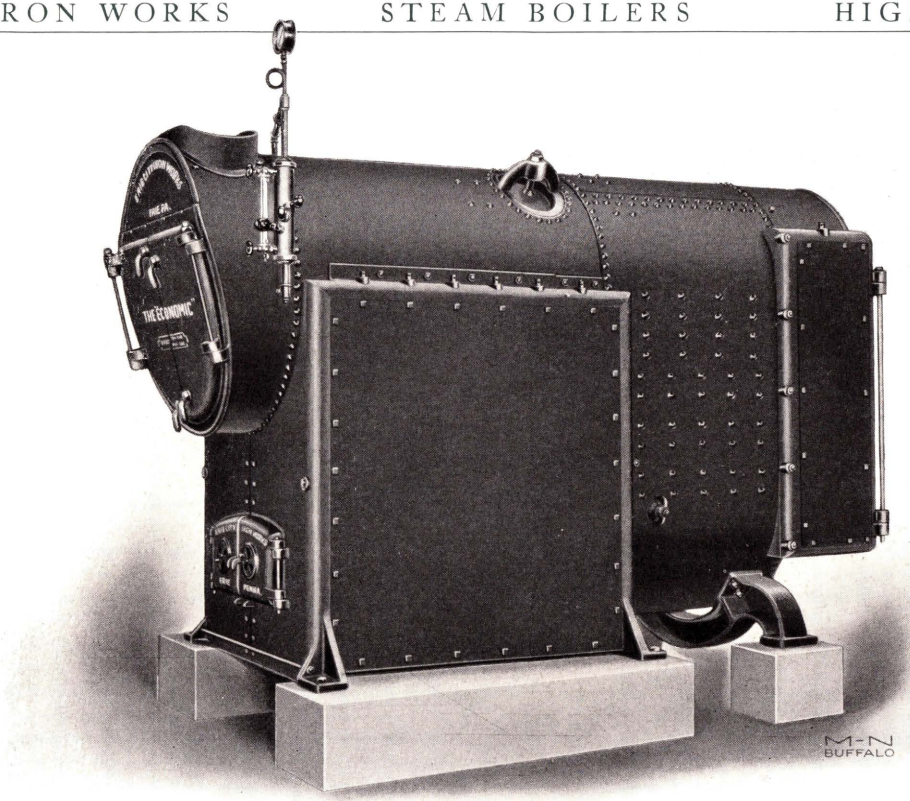


EVERY BOILER IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Stationary Boilers for High-Pressure Service

From 50 to 165 Horse Power

Full specifications will be furnished upon request.

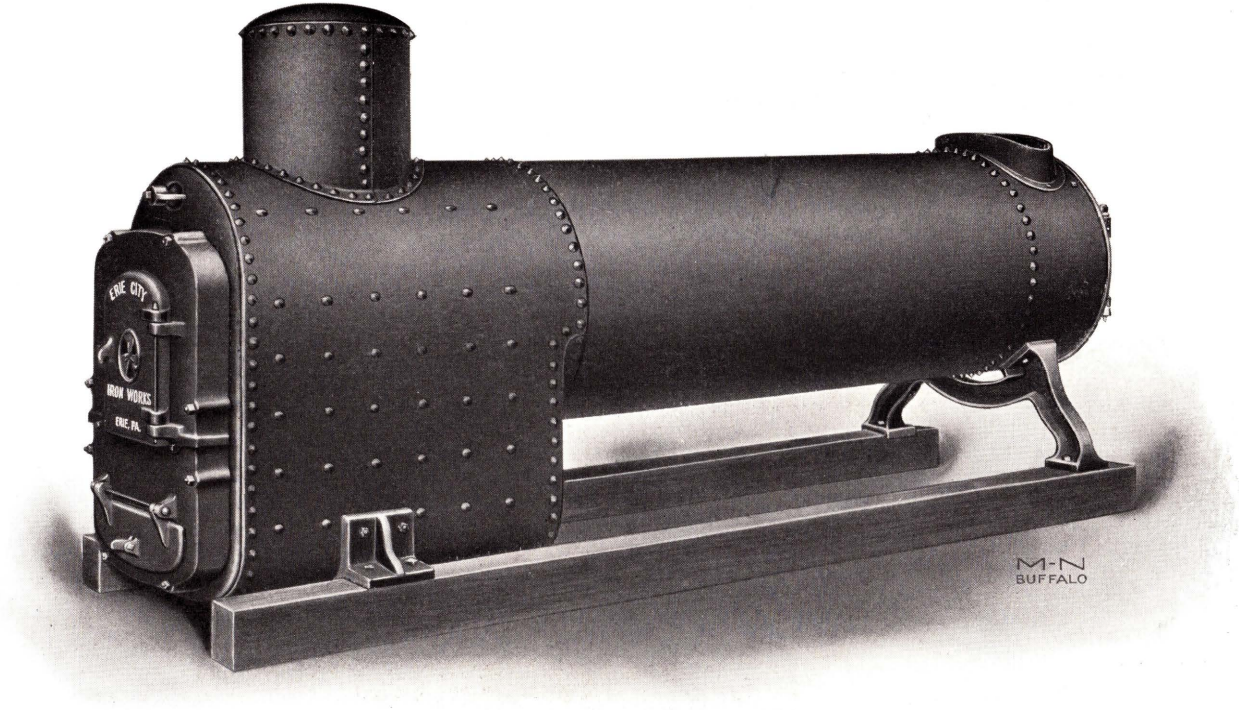


EVERY BOILER IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

"Economic" Return Tubular Boilers

From 10 to 100 Horse Power

Full specifications will be furnished upon request.

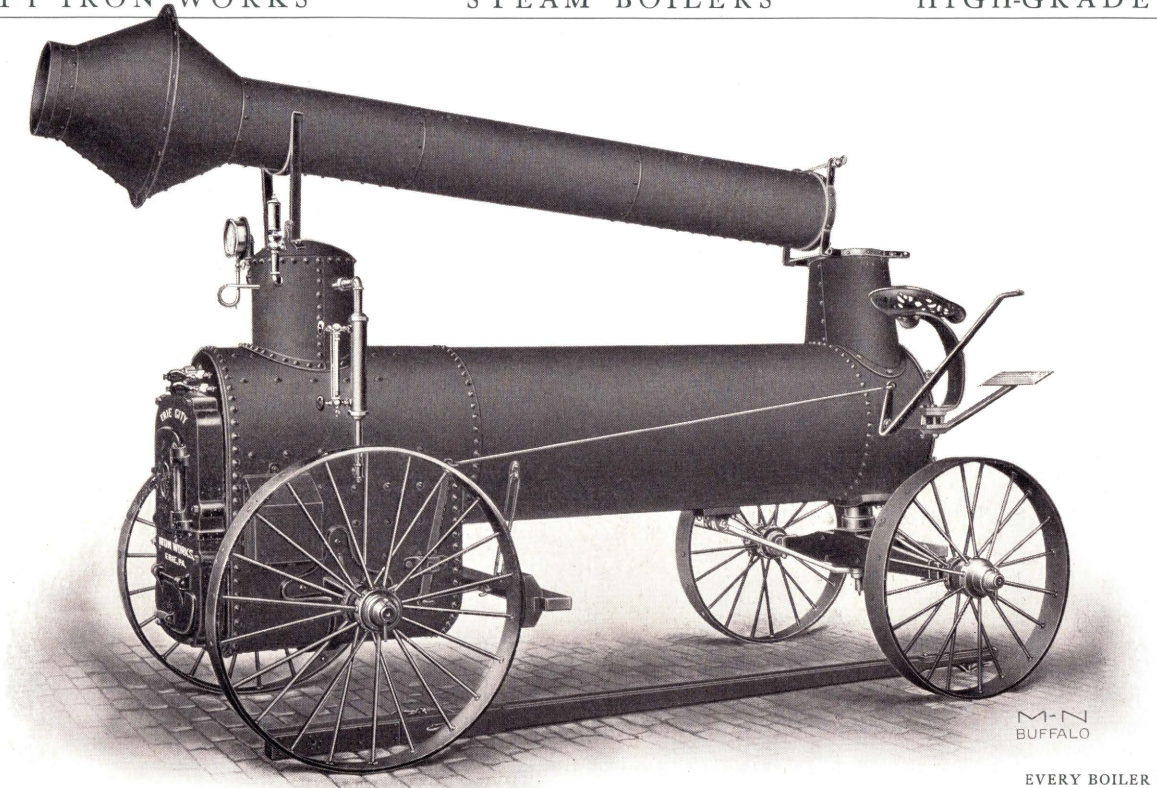


EVERY BOILER IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Water-Bottom Portable Boilers—Class "A"

From 8 to 60 Horse Power

Full specifications will be furnished upon request.

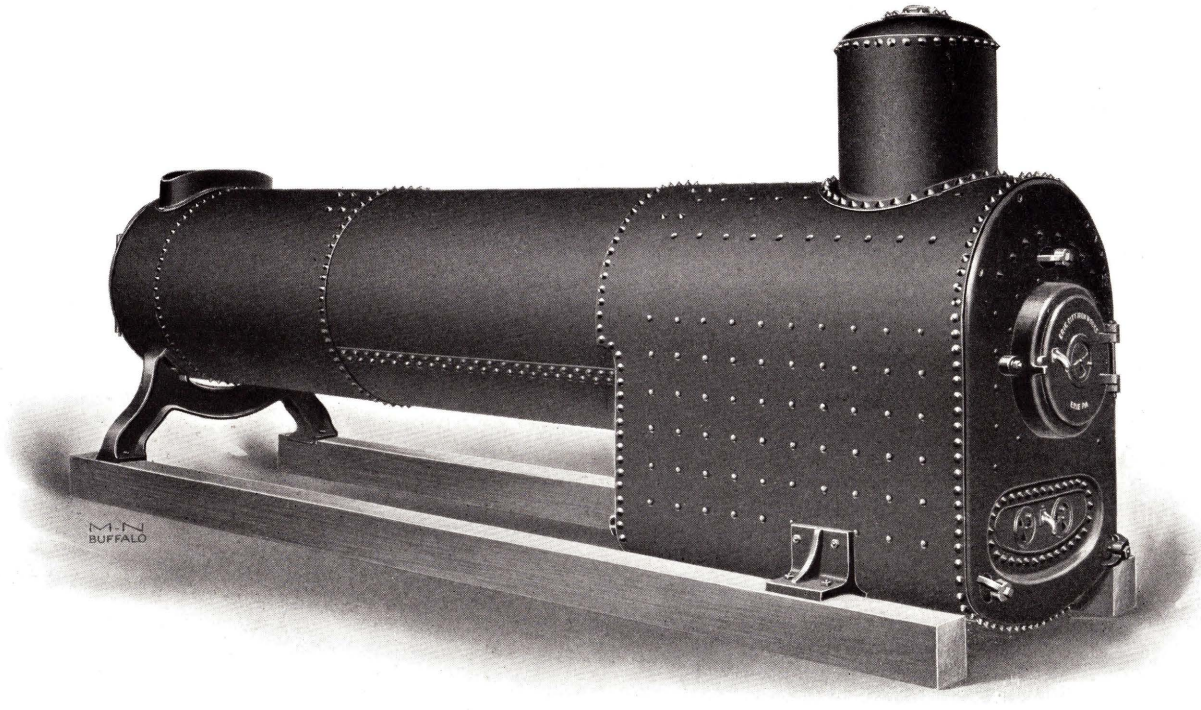


Water-Bottom Portable Boilers on Wheels

From 8 to 60 Horse Power

Full specifications will be furnished upon request.

EVERY BOILER IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

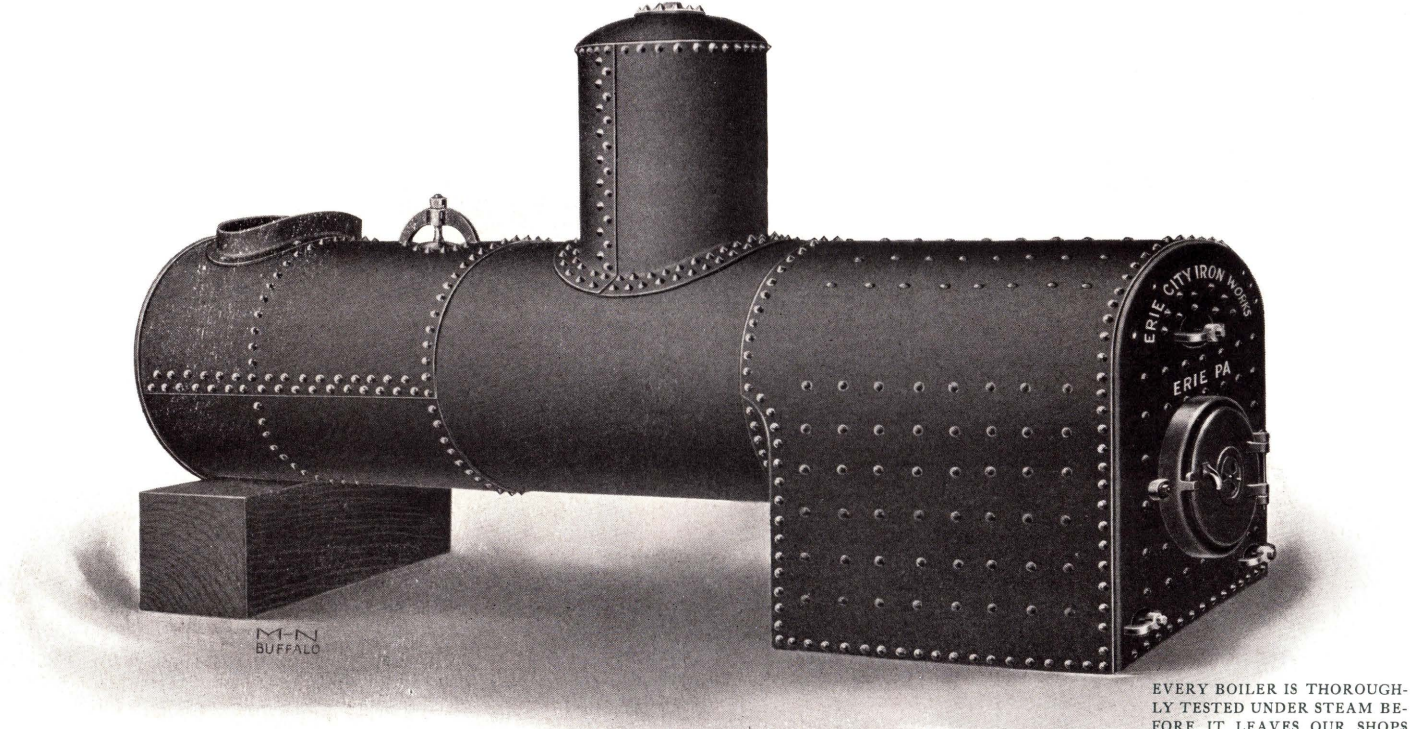


EVERY BOILER IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Water-Bottom Portable Boilers with Water-Front

From 8 to 60 Horse Power

Full specifications will be furnished upon request.



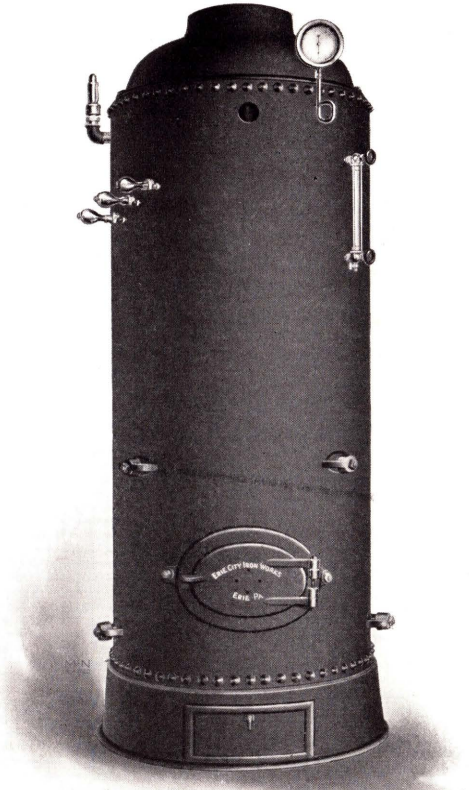
EVERY BOILER IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Open-Bottom Portable Boilers, Class "B"

From 25 to 150 Horse Power

Full specifications will be furnished upon request.

ERIE CITY IRON WORKS STEAM BOILERS HIGH-GRADE WORK



Full-Length-Tube Vertical Boilers

From 4 to 80 Horse Power

Full specifications will be furnished upon request.

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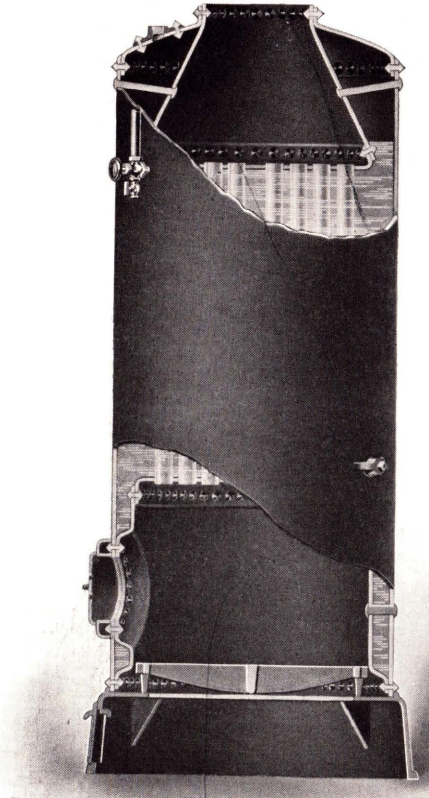
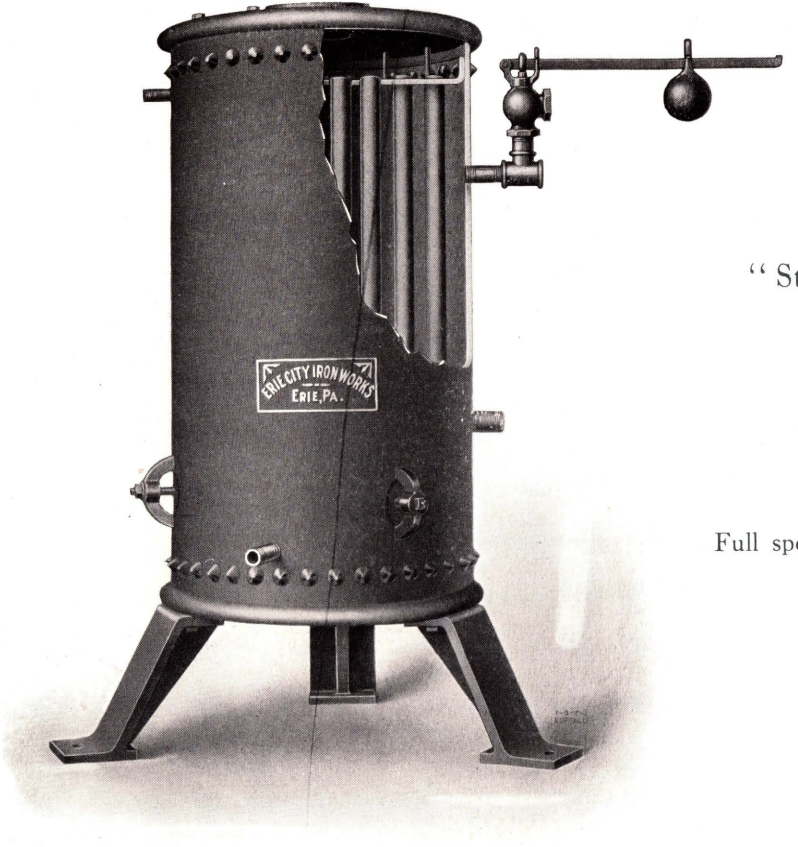


Submerged-Tube Vertical Boilers

From 4 to 60 Horse Power



"Standard" Feed-Water Heaters

From 25 to 600 Horse Power

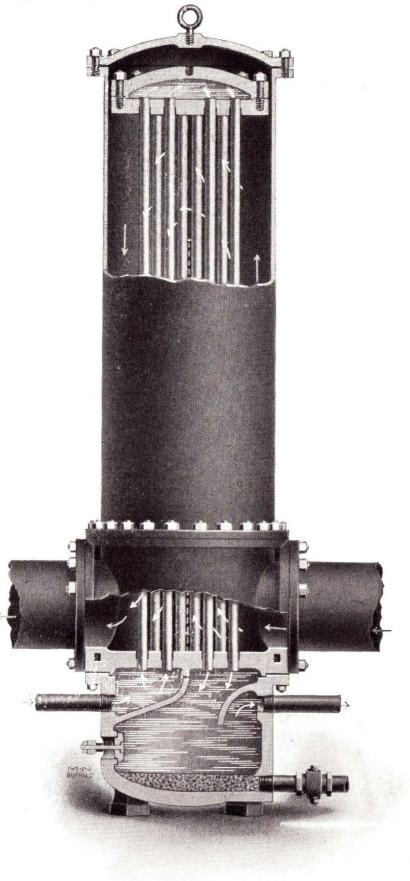
Full specifications will be furnished upon request.

EVERY HEATER IS THOROUGHLY TESTED UNDER STEAM AND WATER BEFORE IT LEAVES OUR SHOPS

Erie City "Counter-Current" Feed-Water Heaters

Illustrated catalogue and specifications will be furnished upon request.

EVERY HEATER IS THOROUGHLY TESTED UNDER WATER PRESSURE BEFORE IT LEAVES OUR SHOPS



IN THE FOLLOWING PAGES WE ILLUSTRATE THE SEVERAL STYLES OF ENGINES WHICH WE MANUFACTURE; THE OUTCOME OF AN EXPERIENCE OF MORE THAN SIXTY YEARS.

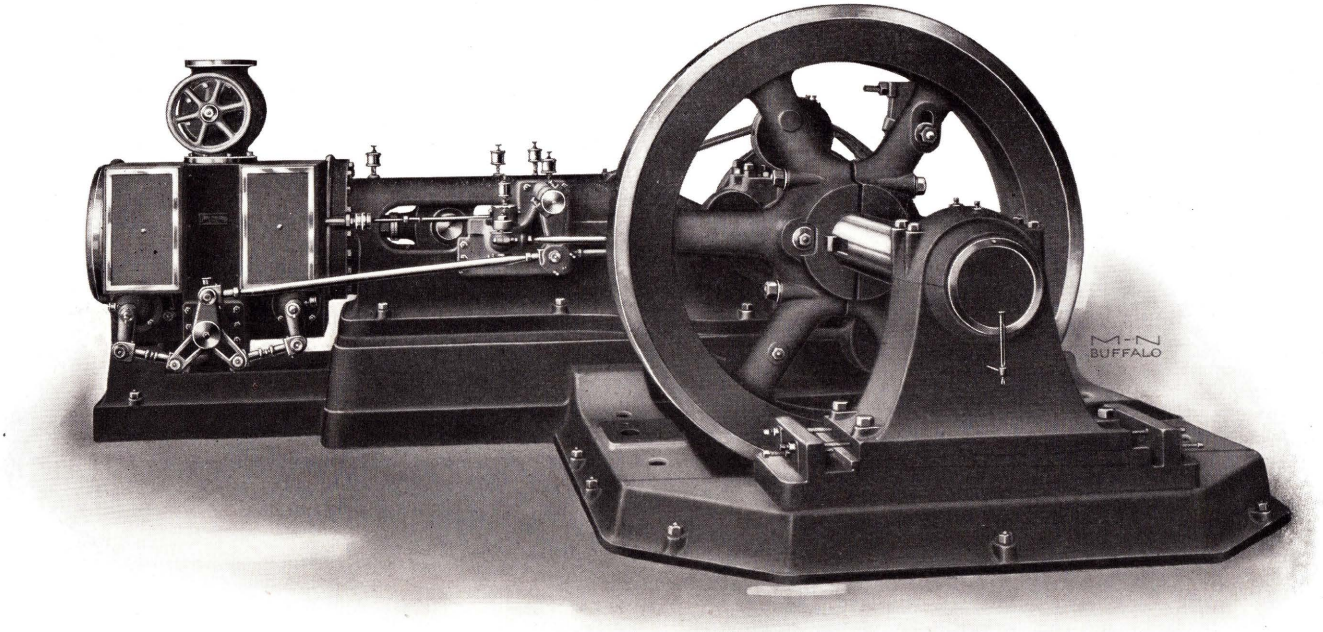
General Observations Upon Our Line of Engines

WITH the development of higher practice, our lists have from time to time been modified and advanced to their present state. As the more perfect materials of construction have become available they have been incorporated into the product, with that knowledge and skill which is born of long experience. To-day the engines of each type represent the best of their kind. The materials are specially adapted to the use proposed, and the work is intelligently put together by a high class of workmen, aided by the best machinery known to the art, by the best methods, and with such system of shop organization as has in the past, and still continues to make our work a standard of comparison and imitation by competitors. All work is thoroughly standardized by gauges and templates; and, both during progress and after completion, rigid inspection and test assure that the high standards are maintained.

Attention is invited to the distinctive features of each type of engine, and the large range of sizes presented.

Engines are valuable in direct ratio to their *earning capacities*. In one case, close regulation is necessary for the character of the work to be done; in another, economy of fuel is essential, or it may be both economy and close regulation; while in other cases, capacity is wanted, and consideration of fuel is of little account.

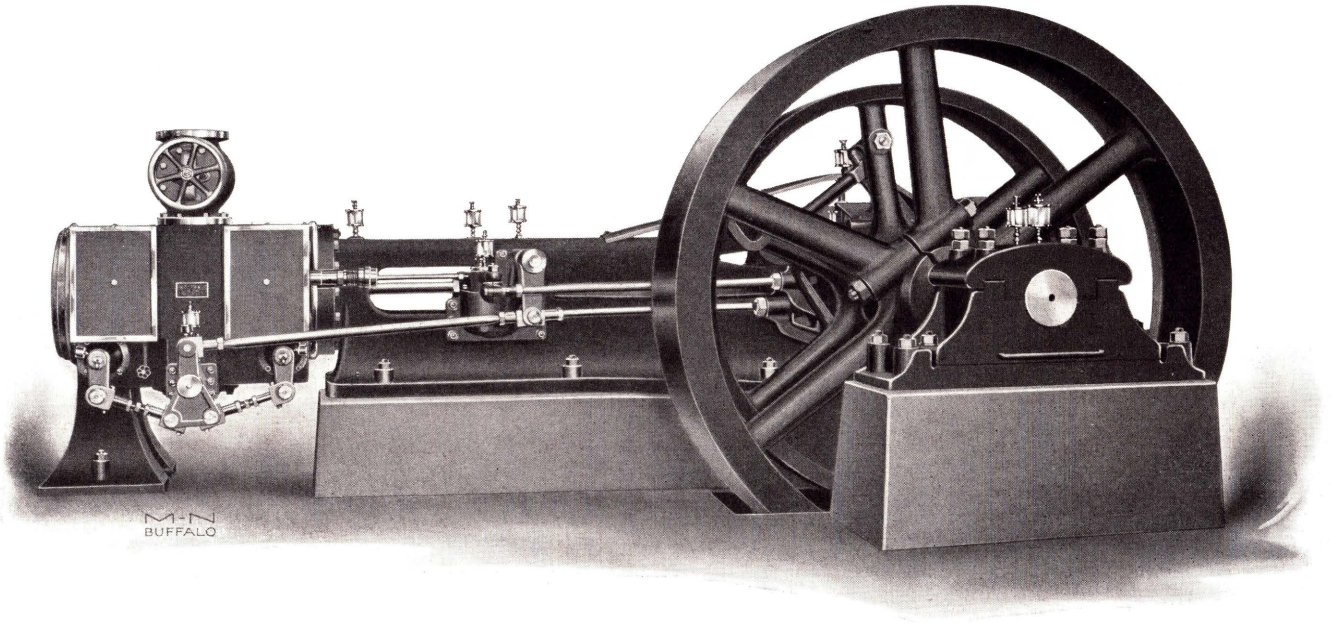
The standardization of our lists enables us to carry a large stock of finished engines ready for prompt shipment.



EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Four-Valve Engine — Direct-Connected Type

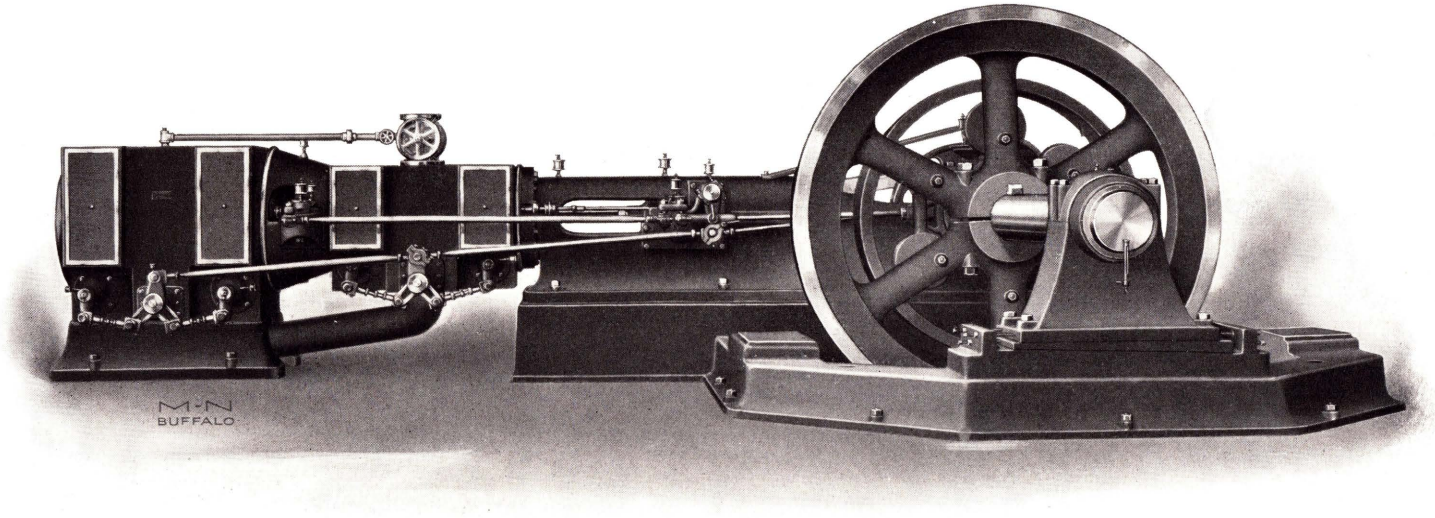
Illustrated catalogue and specifications will be furnished upon request.



EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Four-Valve Engine — Belted Type

Illustrated catalogue and specifications will be furnished upon request.



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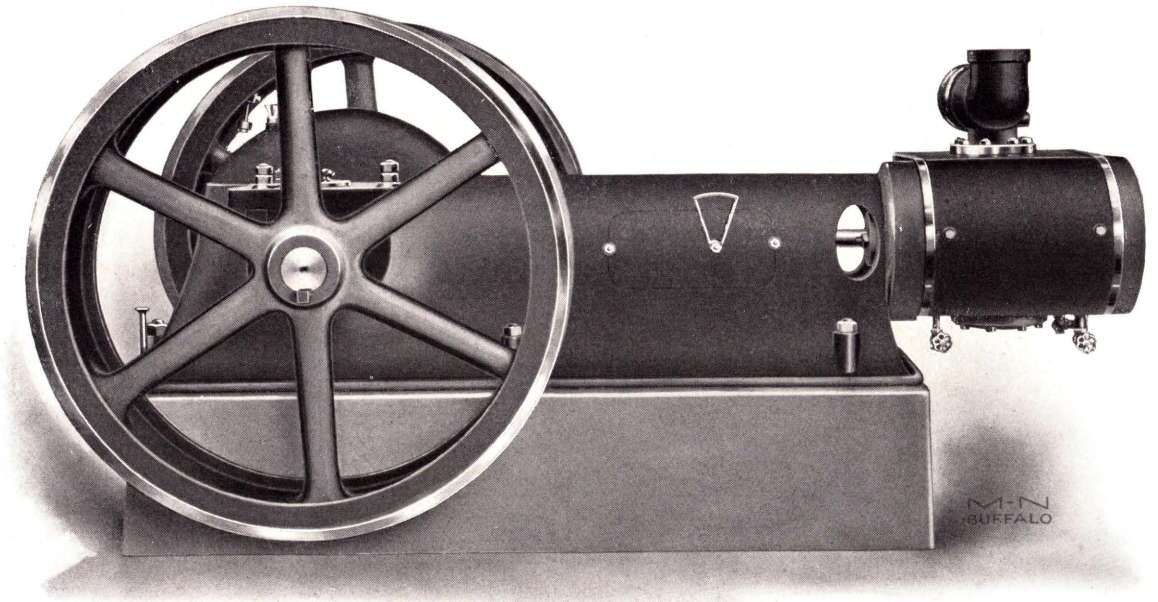
Tandem Compound Four-Valve Engine

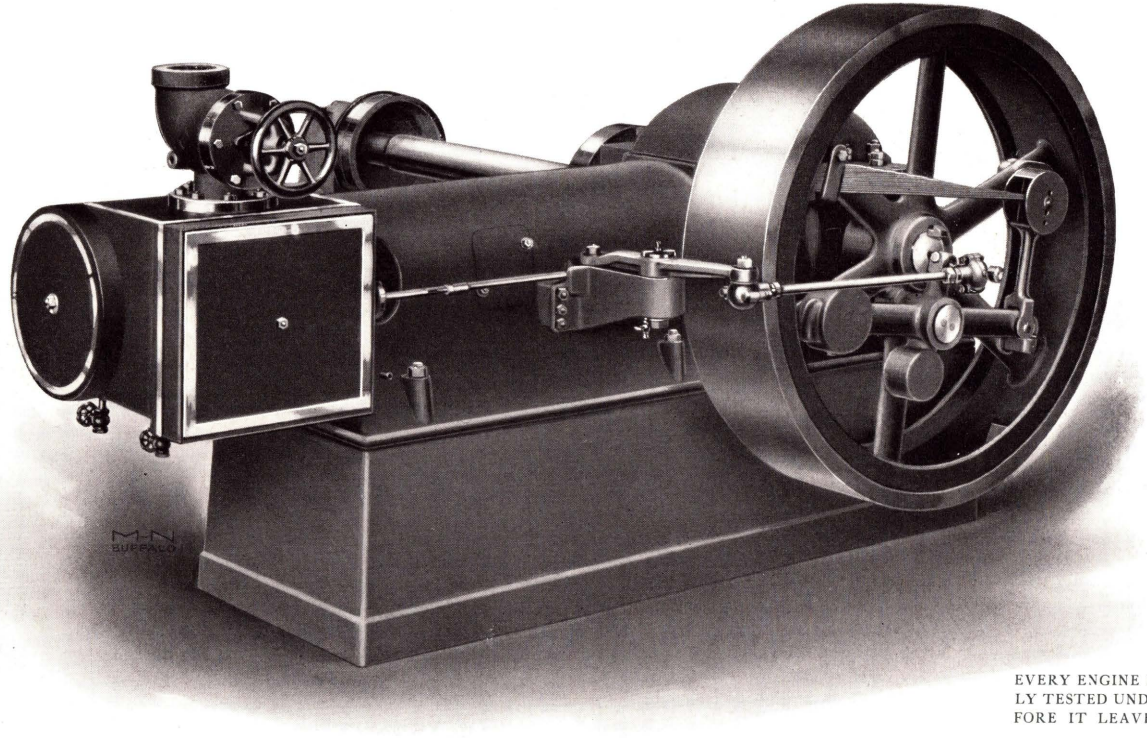
Illustrated catalogue and specifications will be furnished upon request.



EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Enclosed High-Speed Engine — Belted Type

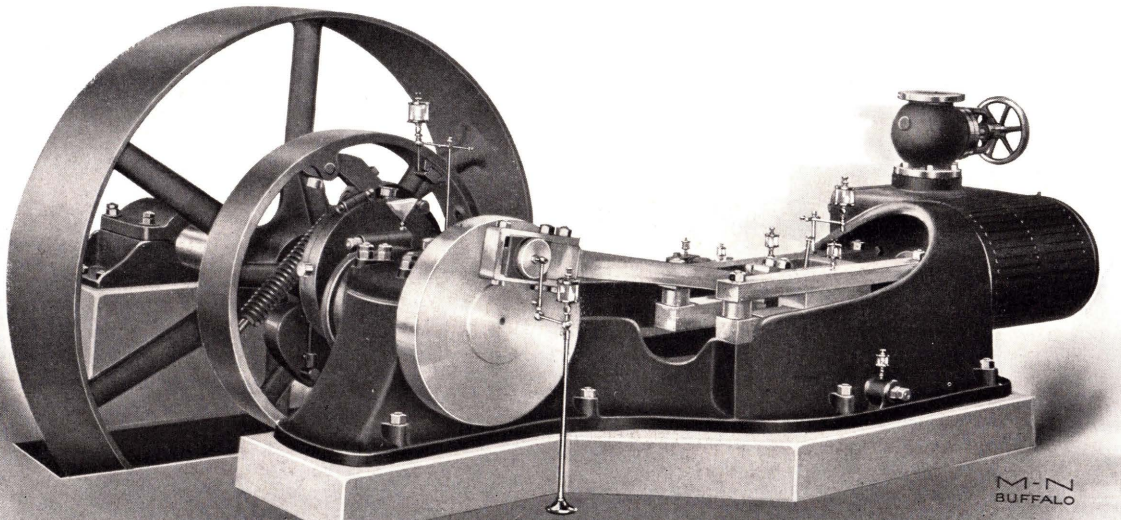
Illustrated catalogue and specifications will be furnished upon request.



EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Enclosed High-Speed Engine — Direct-Connected Type

Illustrated catalogue and specifications will be furnished upon request.

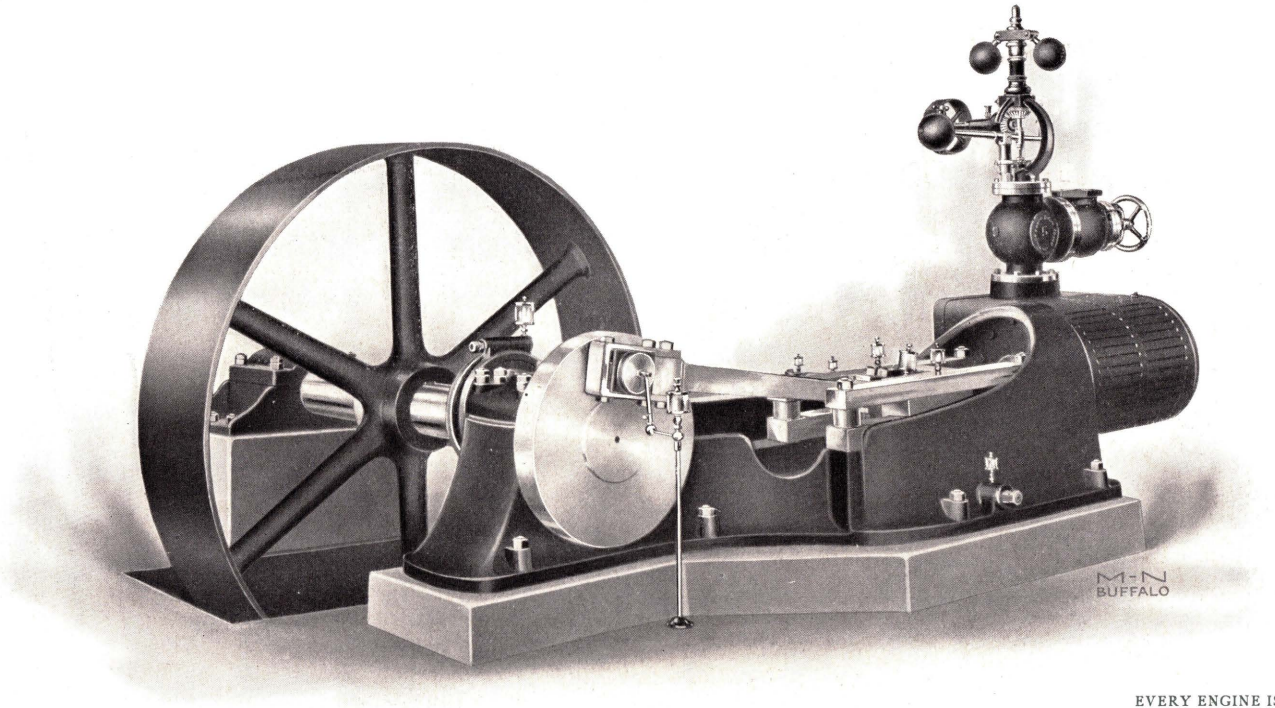


EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

"Tangye" Bed Medium-Speed Automatic Engines

From 55 to 350 Horse Power

Full specifications will be furnished upon request.

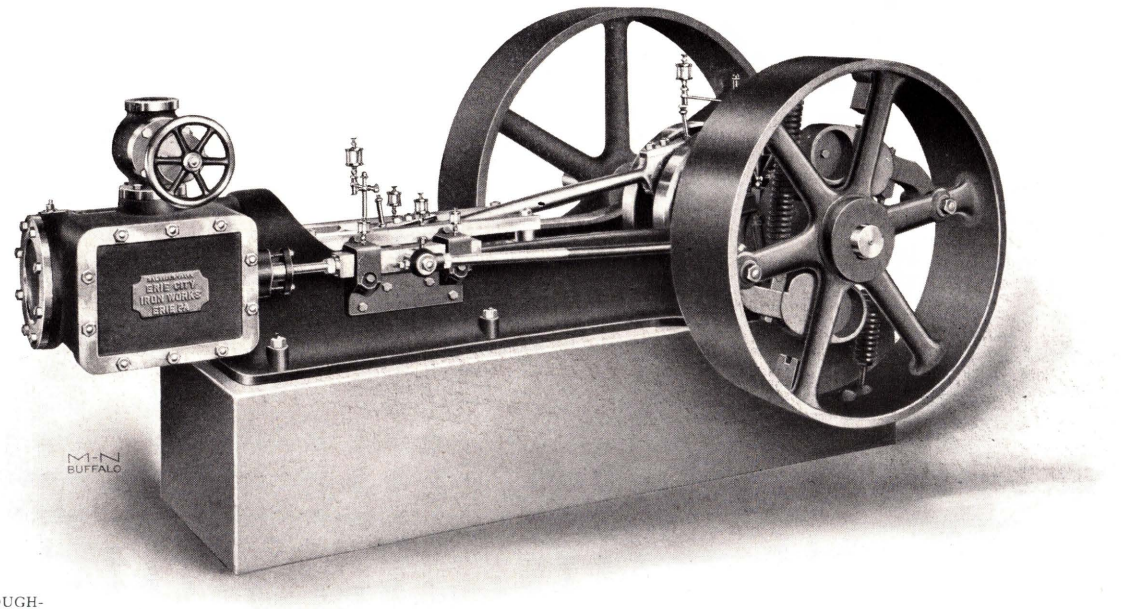


EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

"Tangye" Bed Throttling Engines

From 45 to 300 Horse Power

Full specifications will be furnished upon request.

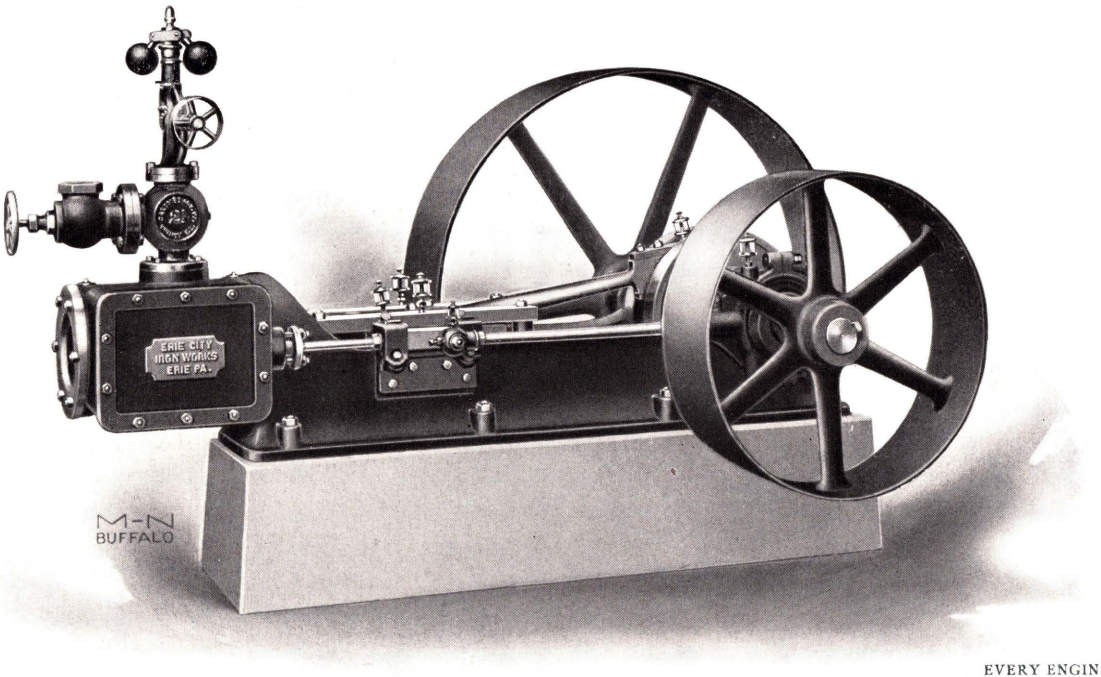


EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Medium-Speed Automatic Engines, Class "C-C"

From 15 to 150 Horse Power

Full specifications will be furnished upon request.

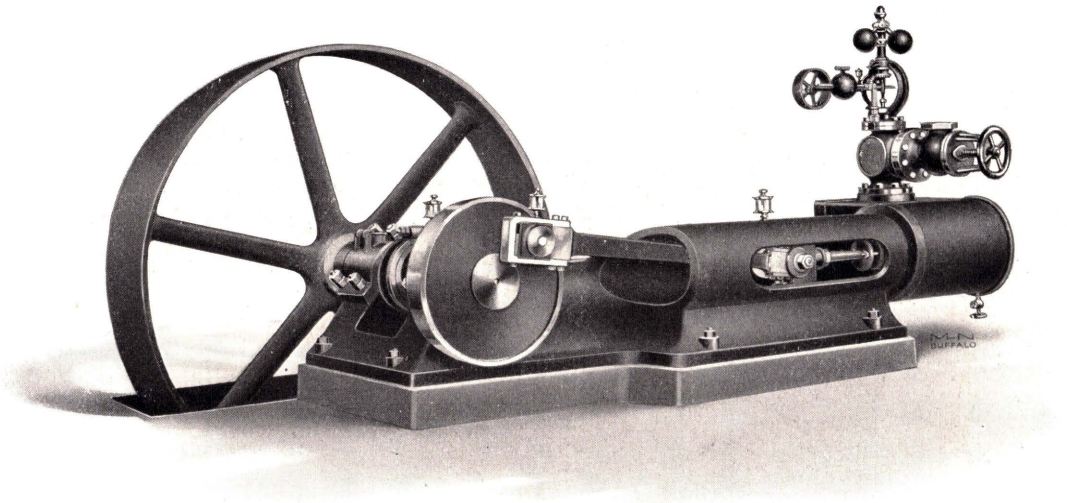


EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Center-Crank Throttling Engines, Class "D"

From 12 to 125 Horse Power

Full specifications will be furnished upon request.

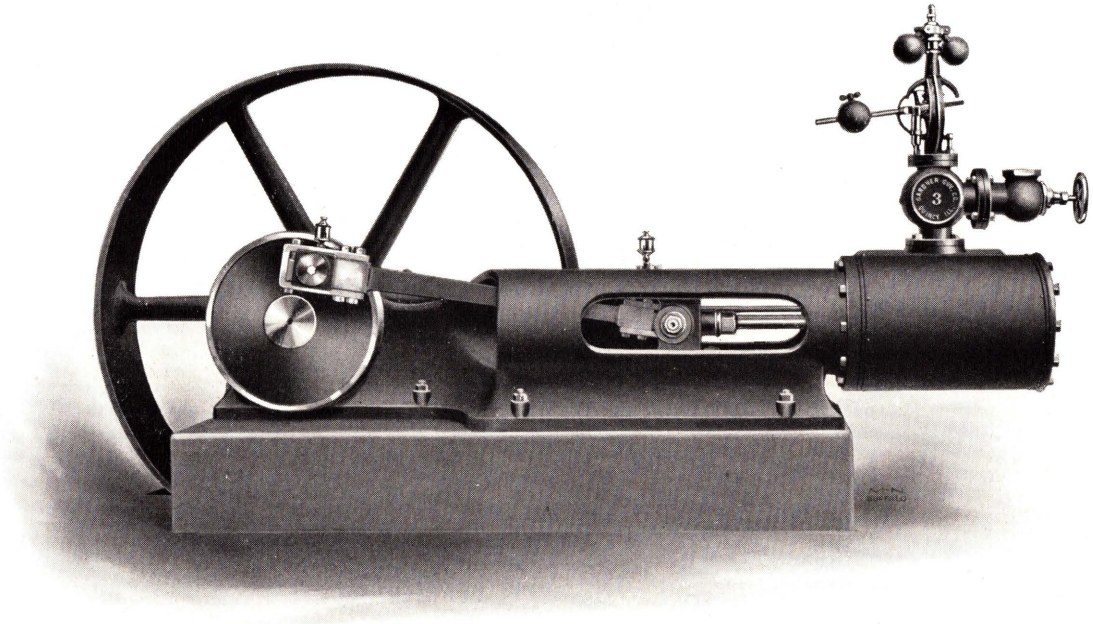


EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Self-Contained Side-Crank Engines

From 35 to 90 Horse Power

Full specifications will be furnished upon request.

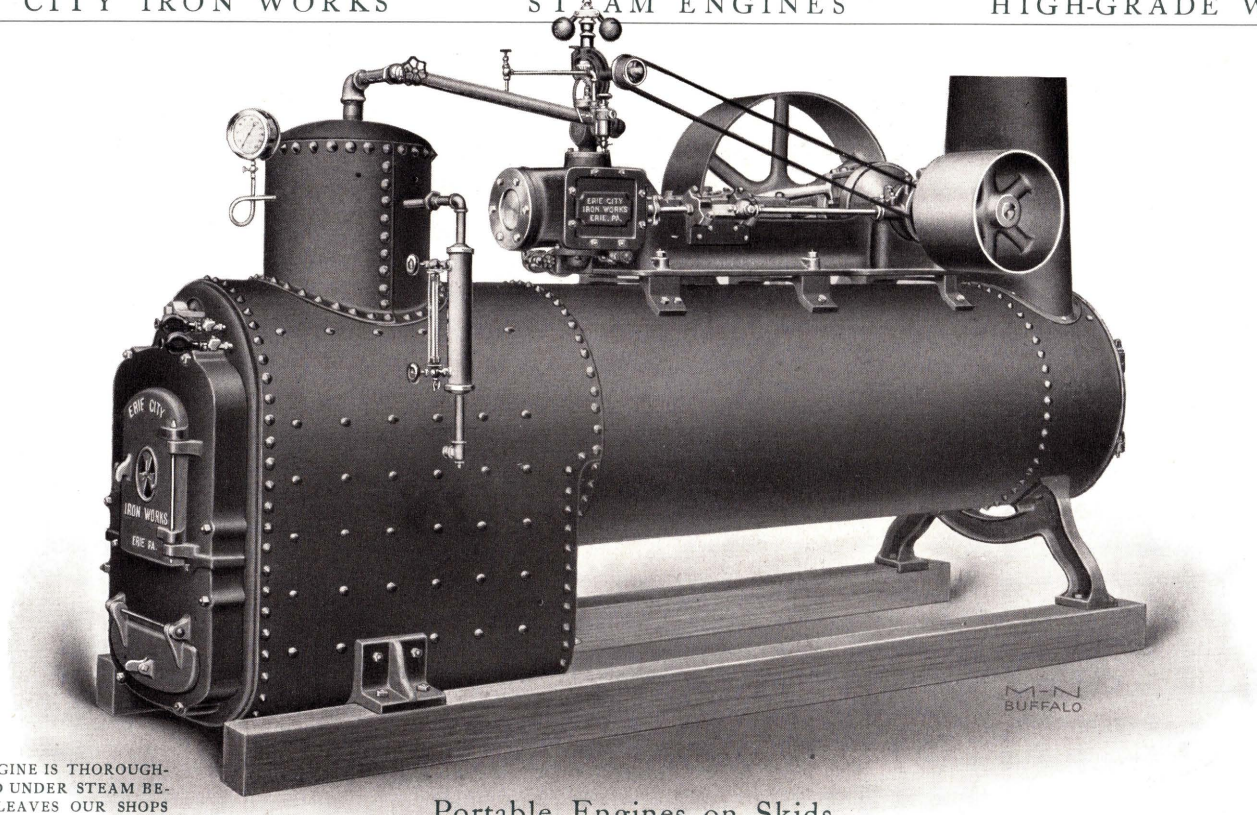


EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Side-Crank Engines, Class "H"

40, 65, and 100 Horse Power

Full specifications will be furnished upon request.

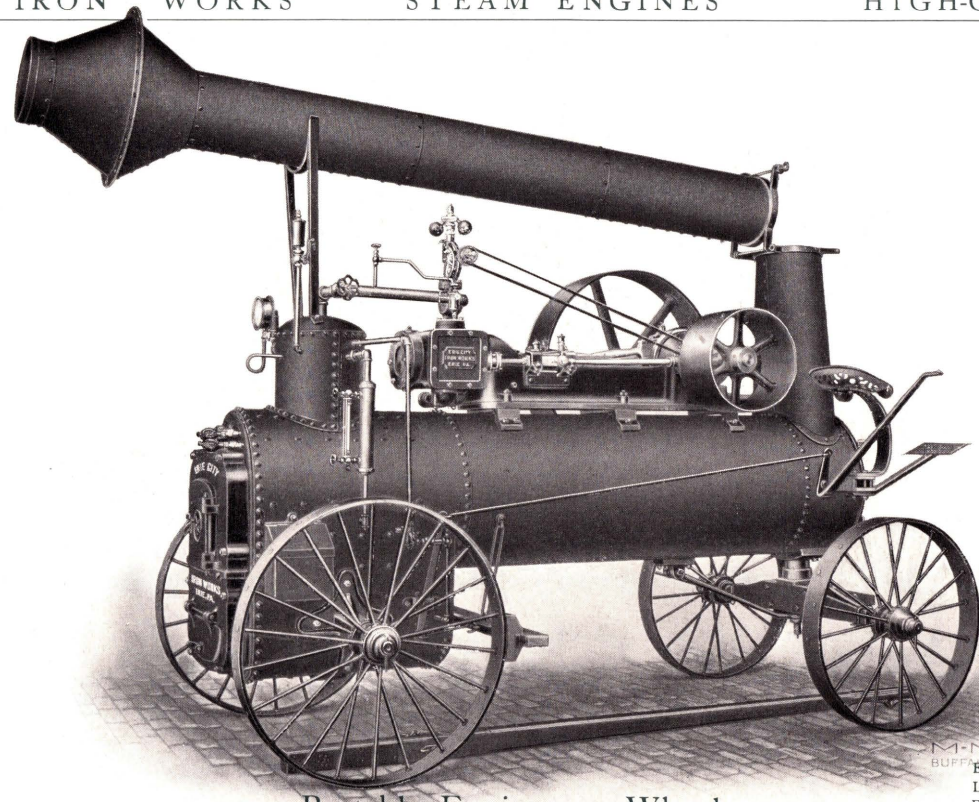


EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Portable Engines on Skids

From 12 to 55 Horse Power

Full specifications will be furnished upon request.



EVERY ENGINE IS THOROUGHLY TESTED UNDER STEAM BEFORE IT LEAVES OUR SHOPS

Portable Engines on Wheels

From 12 to 55 Horse Power

Full specifications will be furnished upon request.

THE
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